

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 3101

Roll No.

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B. Tech

(Semester-I) Theory Examination, 2012-13

ENVIRONMENT & ECOLOGY

Time : 2 Hours]

[Total Marks : 50

Note : Attempt questions from all Sections as per instructions.

Section-A

Attempt *all* parts of this question.

$2\frac{1}{2} \times 4 = 10$

1. (a) What are water-borne diseases ?
(b) State major components of ecosystem.
(c) Define greenhouse effect.
(d) What is eutrophication of lake ?

Section-B

Attempt any *three* parts of this question.

$5 \times 3 = 15$

2. (a) Discuss the four segments of environment.
(b) What is EIA ? Discuss the methodology for EIA.

- (c) Describe conventional energy resources.
- (d) What do you mean by ozone hole ? Discuss the mechanism of ozone layer depletion.
- (e) Discuss the need of public awareness for environmental protection.

Section-C

Attempt any *five* questions os this Section. $5 \times 5 = 25$

- 3. What are the major consequences of over exploitation of mineral resources ? How can they be conserved ?
- 4. "Climate change is the main cause of Global warming." Comment on it.
- 5. Discuss the balanced ecosystem in brief.
- 6. What is solid waste ? What are this types ? Discuss the effect of urban solid waste.
- 7. What are the ill effects of Fluoride problem in drinking water ?
- 8. Define Environment. Enumerate its conservation practices.
- 9. Explain the uses of solar energy in detail.